

PATENT ABSTRACTS OF JAPAN

2

(11)Publication number : 05-327807
(43)Date of publication of application : 10.12.1993

(51)Int.Cl.
H04L 27/36
H04J 3/00
H04J 11/00
H04L 27/38
H04N 7/00
H04N 7/13
// H04N 7/20

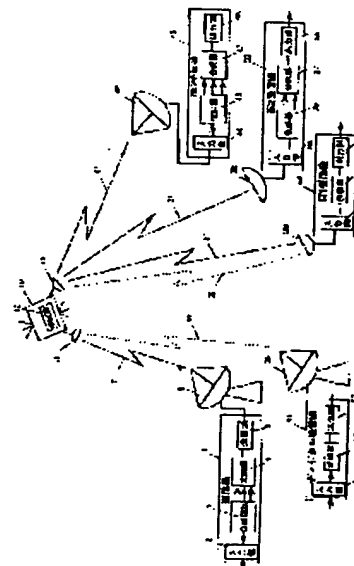
(21)Application number : 04-068935 (71)Applicant : MATSUSHITA ELECTRIC IND CO LTD
(22)Date of filing : 27.03.1992 (72)Inventor : OSHIMA MITSUAKI

(30)Priority
Priority number : 03 62798 Priority date : 27.03.1991 Priority country : JP
03 95813 25.04.1991 JP
03155650 29.05.1991 JP
03182236 23.07.1991 JP
04 60739 17.03.1992 JP

(54) TRANSMITTER

(57)Abstract:

PURPOSE: To provide the transmission reception system in which a problem that a transmission information quantity cannot be increased is solved when the frequency band is limited in the transmitter sending a digital signal and much more information is sent within the same frequency band.
CONSTITUTION: The transmitter 1 uses a modulator 4 implementing m-value QAM modulation to allocate data of n-value of a 1st data string to a signal point group formed by grouping signal points on a signal space diagram comprising the 1st data string of n-value and 2nd and 3rd data strings of p-value and to send the modified m-value QAM modulation signal. A 1st receiver 23 uses a demodulator 25 to demodulate the 1st data string of n-value, a 2nd receiver 33 demodulates the 1st data string and the 2nd data string, and a 3rd receiver 43 demodulates the 1st data string, the end data string and the 3rd data string, and then even the receiver having only a demodulation capability of n-value in the case of $n < m$ when the m-value modified multi-value modulation wave demodulates the data of the 1st data string of n-value in the transmitter.



LEGAL STATUS

[Date of request for examination] 31.01.1997
[Date of sending the examiner's decision of rejection]
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
[Date of final disposal for application]
[Patent number] 3008651
[Date of registration] 03.12.1999

of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office